

# HANGZHOU HANHAO CHEMICAL CO., LTD

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## TECHNICAL DATA SHEET

### Product Description:

Color Index:	Solvent Yellow 135
CAS No.	144246-02-6
Chemical Family	Naphthalimide Series
Chemical Formula	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>

### Technical Properties:

The product is fluorescent greenish yellow powder. It is high heat resistant, good light fastness and strong fluorescent light.

**Application:** (“☆” Superior, “○” Applicable, “△” Not recommend

PS	HIPS	ABS	PC	RPVC	PMMA	SAN	AS	PA6	PET
☆	☆	☆	☆	☆	☆	☆	☆	○	○

Also used in fluorescent ink and guideboard survival suit.

### Physical Properties

Density(g/cm3)	Melting Point(°C)	Light fastness (in PS)	Recommended Dosage	
			Transparent	Nontransparent
1.5	300	4-5	0.03	0.1

**Light Fastness:** Consist of 1<sup>st</sup> to 8<sup>th</sup> grade, and the 8<sup>th</sup> grade is superior, the 1<sup>st</sup> grade is bad.

**The heat resistance in PS can reach to 280 °C**

Degree of pigmentation: 0.05% dyes+0.1% titanium dioxide R

**Solvent yellow 135 solubility in organic solvent at 20 °C (g/l)**

Acetone	Butyl Acetate	Methylbenzene	Dichloromethane	Ethylalcohol
2.0	1.3	45	171	1.0

**Note:** The above information is provided as guidelines for your reference only. The accurate effects should base on the test results in laboratory.